Claims

1. Arrangement having means of transmission for sending a signal and means of reception for receiving a reflection of the transmitted signal, the means of reception having a receiving oscillator,
characterized in that
the transient response of the receiving oscillator can be influenced by the reflection of the transmitted signal.

2. Arrangement according to Claim 1,
characterized in that
the build-up time and/or the average delivered power of the receiving oscillator can be influenced by the reflection of the transmitted signal.

3. Arrangement according to one of the preceding claims,
characterized in that
the power of the receiving oscillator can be measured.

4. Arrangement according to one of the preceding claims,
characterized in that
the arrangement has a means for switching the receiving oscillator on and off, in particular periodically, using a clock rate.

5. Arrangement according to one of the preceding claims, characterized in that
the receiving oscillator also acts as a transmitting oscillator for generating the signal intended for transmission.

6. Arrangement according to one of the preceding claims, characterized in that
the arrangement has a second oscillator, which acts as the transmitting oscillator for generating the signal intended for transmission.

7. Arrangement according to one of the preceding claims, characterized in that
the arrangement is an arrangement for measuring distance.

8. Arrangement according to one of the preceding claims, characterized in that
the arrangement is a radar, in particular a pulsed radar.

9. Arrangement according to one of the preceding claims, characterized in that
the arrangement for detecting a measurement signal has a mixer in which a first measurement sub-signal and a second measurement sub-signal are added together.

10. Arrangement according to one of the preceding claims, characterized in that
the arrangement for detecting a measurement signal has a mixer with two diodes, and the said diodes are used with the same polarity, the measurement signal being formed by the sum of two measurement sub-signals, or the said diodes are used with opposite polarity, the measurement signal being formed by the difference between the two sub-signals.

11. Vehicle, building or industrial equipment having an arrangement according to one of the preceding claims.

12. Measurement method, in particular for measuring distance, in which:
- a means of transmission is used to generate and send a signal,
- a means of reception having a receiving oscillator is used to receive a reflection of the transmitted signal,
- the transient response of the receiving oscillator is influenced by the reflection of the transmitted signal.